

Serial No: to be assigned, CPA continuation of 08/877,912
Art Unit: 3712

I N THE CLAIMS:

Cancel Claims 10, 15, 20, 24, 37 and 41.

Add Claims 44-51.

Amend Claims 1, 7, 9, 21, 25, 26, 29, 31-33, 40, and 42 as follows:

1. (Amended) A computer-based learning system for providing an interactive lesson between the computer and a student user comprising:

user input means including at least audio input means for delivering audible user responses to said system and speech recognition means associated with said audio input means;

user interface means including at least audio output means;
program controller means for dynamically generating said interactive lesson; and
a plurality of databases for access by said program controller means in interpreting
user responses input to said user input means including at least one lesson database and at least one lesson-based speech interpretation database.

Claim 7, line 10, after "program controller means for" insert --dynamically--.

Claim 9, line 3, delete "storage".

21. A computer-based learning system for providing an interactive lesson between the computer and a student user comprising:

user input means including at least audio input means for delivering audible user responses to said system and speech recognition means associated with said audio input means;

user interface means including at least audio output means;
program controller means for dynamically generating said interactive lesson; and
a plurality of databases for access by said program controller means in interpreting user responses input to said user input means including at least one lesson database, a plurality of lesson-based speech interpretation databases at least comprising one database of anticipated incorrect student responses and one database comprising the set of all possible combinations of correct student responses; and at least one database of acoustic information for use by said speech recognition means in interpreting student responses.

25. (Amended) A system for recognizing speaker utterances of known textual material comprising:

means for receiving audible input from said speaker;

at least one database for storing a plurality of versions of said known textual material including at least a database of all possible combinations of correct student responses;

speech recognition means for comparing said audible input to said plurality of versions for generating an output based upon said comparing.

Claim 26, line 1, delete "at least one database" and insert --said plurality of databases--.

29. (Amended) A system for providing effective speech recognition by a speech recognition system of user utterances of text comprising:

means for inputting text to said system;

means for generating a plurality of phoneme sequences based on said input text;

means for generating a plurality of variations of said input text; and

at least one storage means for storing said plurality of phoneme sequences and said plurality of variations of said input text for use by said speech recognition system.

31. (Amended) A method for providing an interactive language lesson between a student user and a computer having at least a program controller, speech recognition means, at least one first database for storing said lesson and at least one second database

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for storing lesson-based speech interpretation information, user input means for providing responses from said student user, and output means for providing information relating to said lesson to said user, comprising program controller steps of:

determining an interaction level for said student user; and

dynamically generating said interactive language lesson by:

retrieving lesson information appropriate to said interaction level from said at least one first database and lesson-based speech interpretation information corresponding to said lesson information from said at least one second database;

providing lesson information to said user at said output means;

providing lesson-based speech recognition information to said speech recognition means;

prompting said student user to provide responses at said user input means;

receiving student responses from said user input means;

interpreting said student responses at said speech recognition means; and

generating an output based upon said interpreting of said student responses.

32. (Amended) The method of Claim 31, wherein said computer has at least one additional database for storing student level information, and wherein said determining comprises [further comprising] the step of retrieving student level information from said at

least one additional database; and adjusting said lesson information based upon said retrieval of student level information.

Claim 33, line 2, after "on" insert --said interpreting of--.

Claim 39, line 1, change "system" to --method--.

40. (Amended) A method for speech recognition means to interpret student utterances of known text in a lesson comprising:

receiving student utterances;

accessing lesson-based speech interpretation information from one or more lesson-based database and acoustic information from at least one acoustic database;

comparing said accessed information to said [receiving] received utterances; and generating an output based upon said comparing.

42. (Amended) A method of providing effective speech recognition by a speech recognition system of user utterances of text comprising:

inputting text to said system;

generating a plurality of phoneme sequences based on said input text;

generating a plurality of variations of said input text; and

storing said plurality of phoneme sequences and said plurality of variations of said input text for use by said speech recognition system.

44. (Added) The system of Claim 1 wherein said plurality of databases includes a reading level information database for use by the program controller in adjusting the complexity of the interactive lesson.

45. (Added) The system of Claim 6 wherein said plurality of databases includes at least one story text database including story text and phrasing indicators for use by the program controller in presenting the interactive lesson.

46. (Added) The system of Claim 6 wherein said plurality of databases includes at least one story page layout database for use by the program controller in presenting said interactive lesson.

47. (Added) The system of Claim 1 wherein said plurality of databases includes a session database for maintaining user session information.

48. (Added) The system of Claim 47 wherein said program controller is adapted to replay segments of a user session based on input from said session database.